Play with TikZ

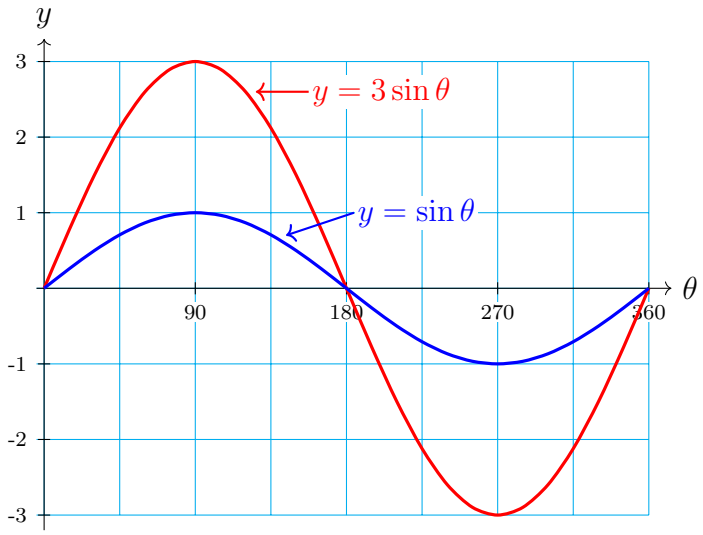
Just Us

August 21, 2020

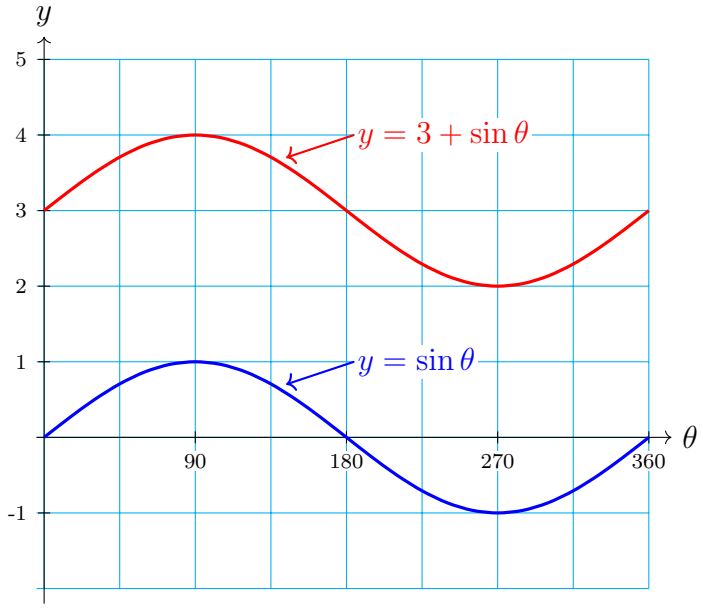
1 Chap 4 Trigonometric Functions

1.1 4.3 Periodic functions

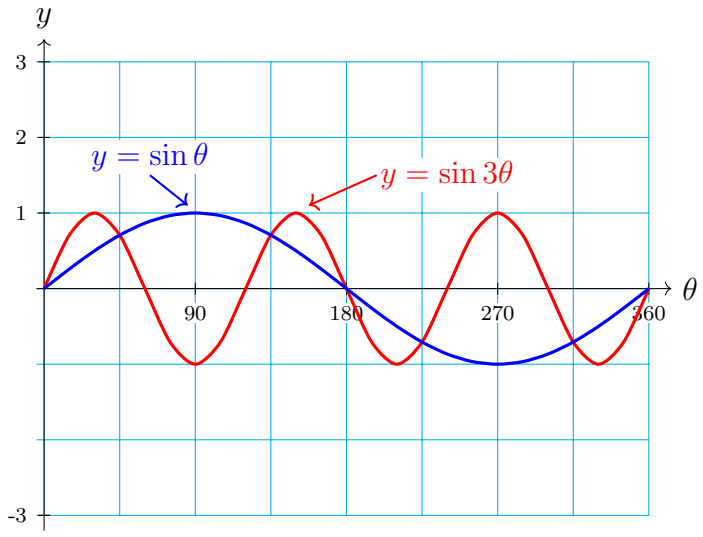
exam4-3-1a two scaled sine graphs



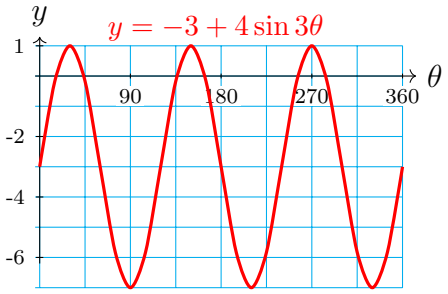
exam4-3-1b sine and 3+ sine



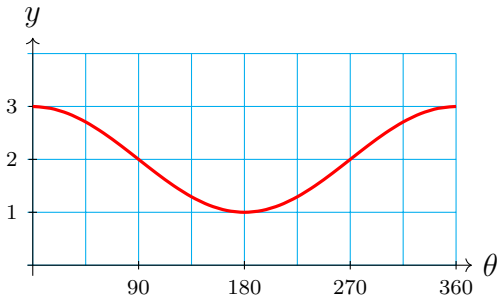
exam4-3-1c sine and sine 3 theta



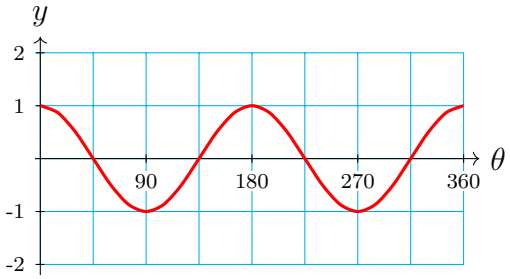
exam4-3-2 $-3 + 4\sin 3\theta$



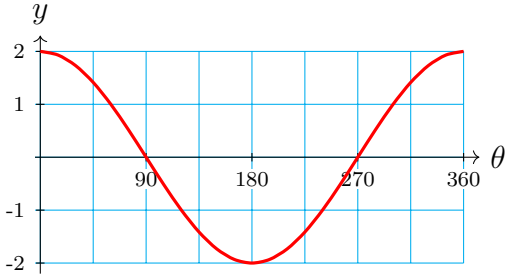
exer4-3-1ansa cosine +2



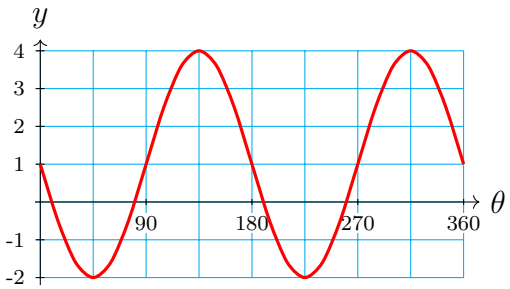
exer4-3-1ansb cosine 2 theta



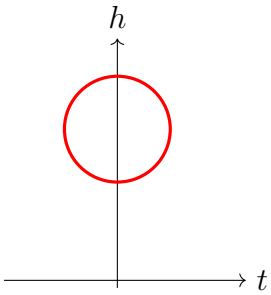
exer4-3-1ansc 2 cosine theta



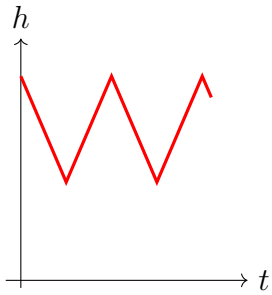
exer4-3-2ans $y = 1 - 3\sin 2\theta$



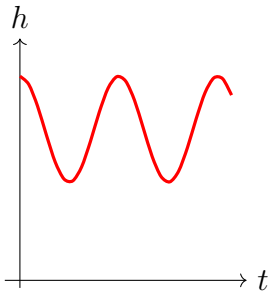
exam4-3-3 graphs



a.

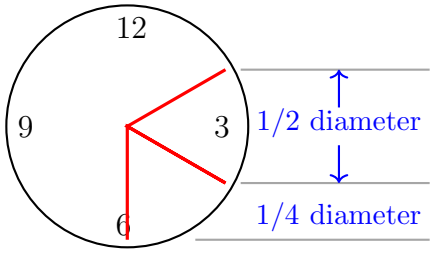


b.

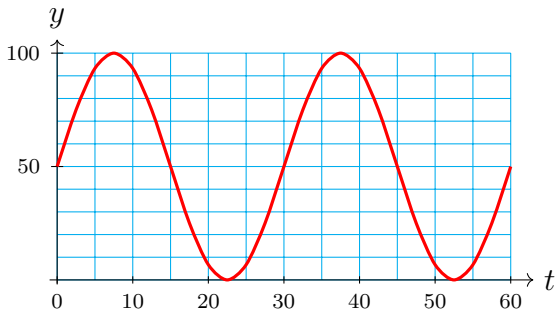


c.

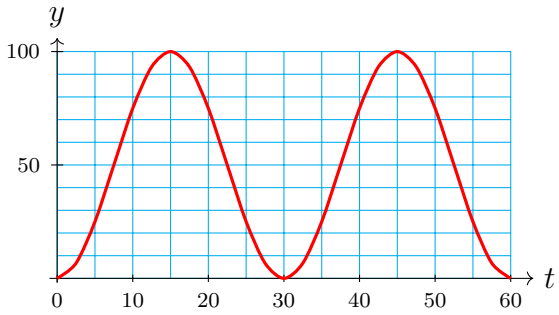
exam4-3-3soln clock



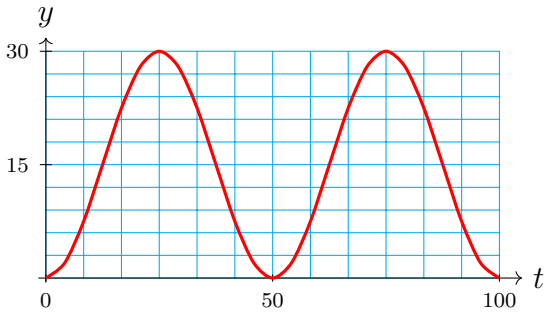
exer4-3-3a sinusoidal graph



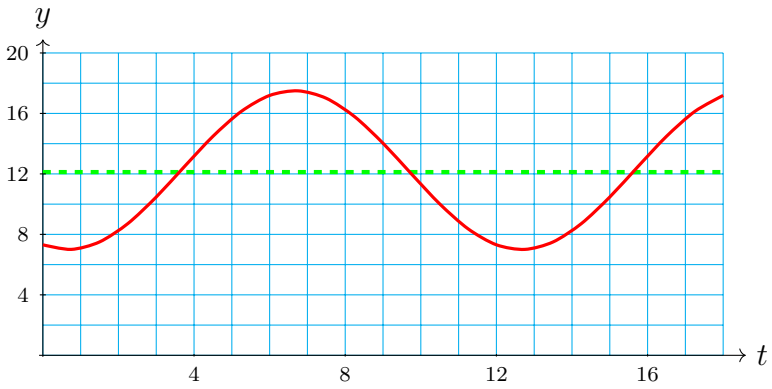
exer4-3-3b sinusoidal graph



exer4-3-3c sinusoidal graph

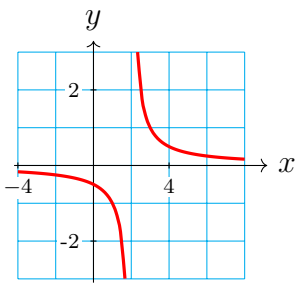


exam4-3-4 sinusoidal graph

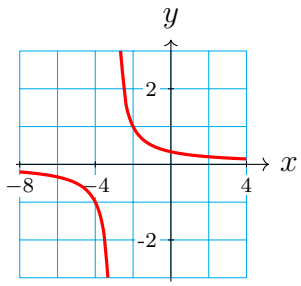


2 Algebra refresher graphs

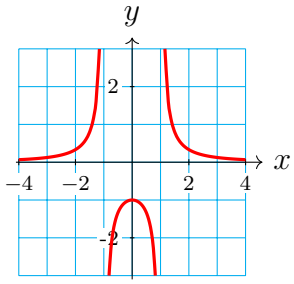
ar4-3-1ans $f(x) = \frac{1}{x-2}$



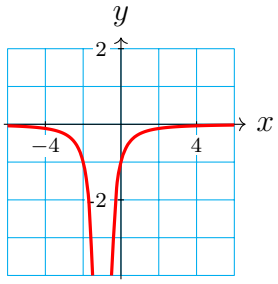
ar4-3-2ans $f(x) = \frac{1}{x+3}$



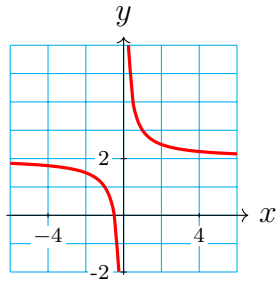
ar4-3-3ans $f(x) = \frac{1}{x^2-1}$



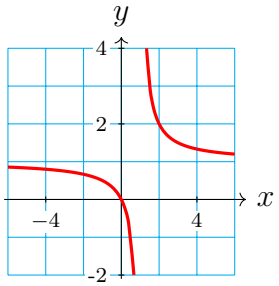
ar4-3-4ans $f(x) = \frac{-1}{(x+1)^2}$



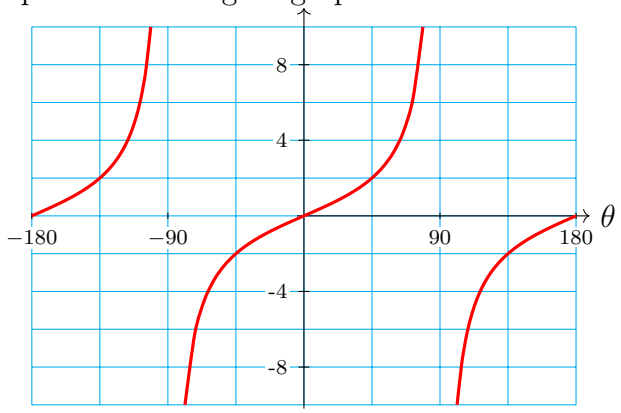
ar4-3-5ans $f(x) = \frac{2x+1}{x}$



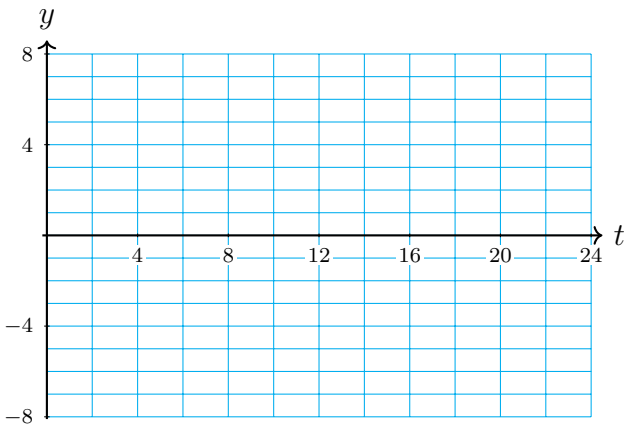
ar4-3-6ans $f(x) = \frac{x}{x-1}$



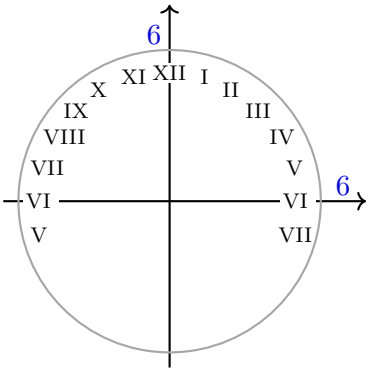
hp4-2-59ans tangent graph



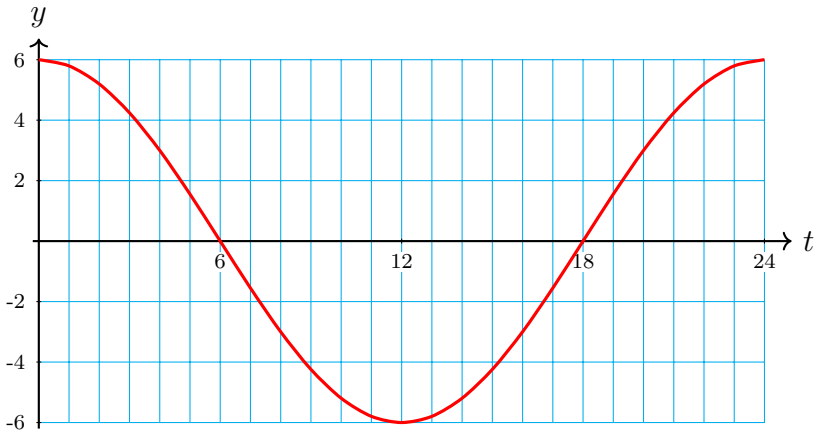
3 4.3 homework



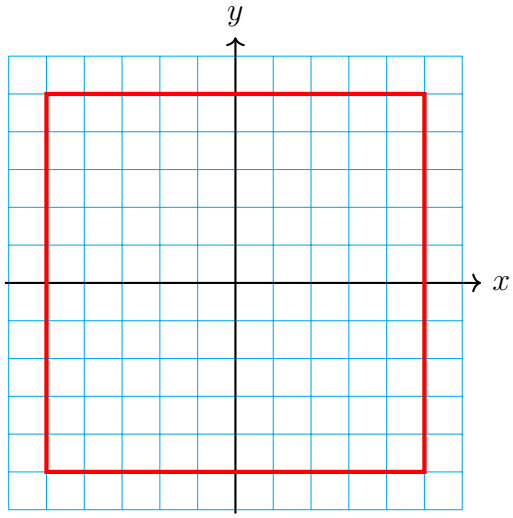
hp4-3-1 grid



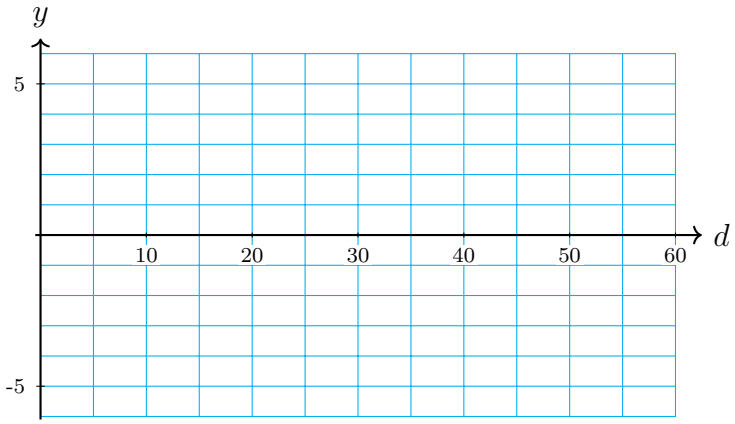
hp4-3-1ansa sundial on grid



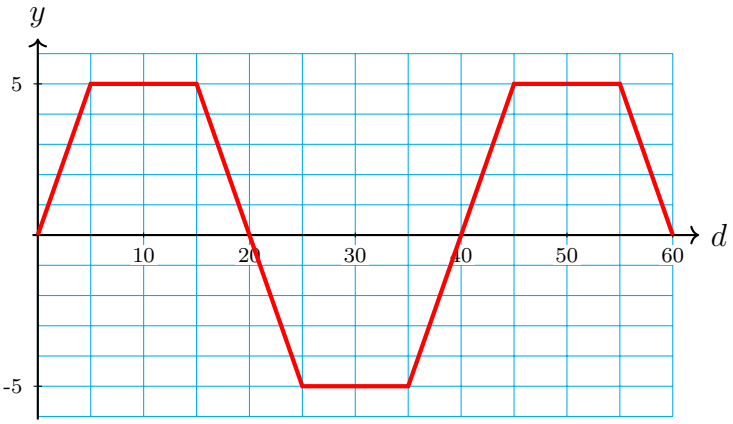
hp4-3-1ansc sinusoidal graph



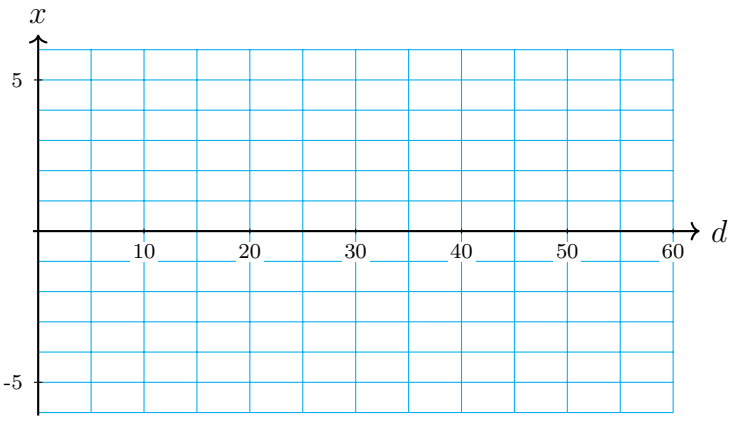
hp4-3-3 square on grid



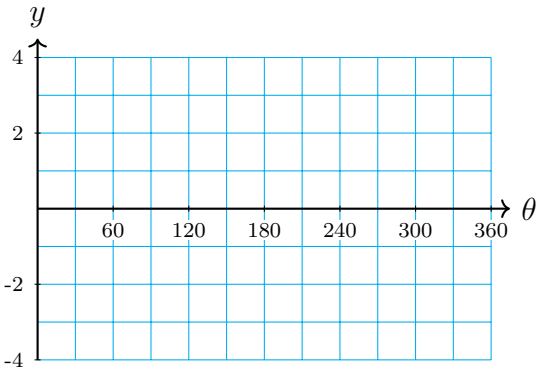
hp4-3-3b grid



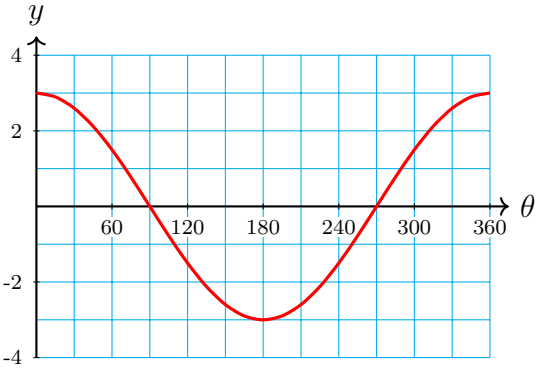
hp4-3-3ans periodic function



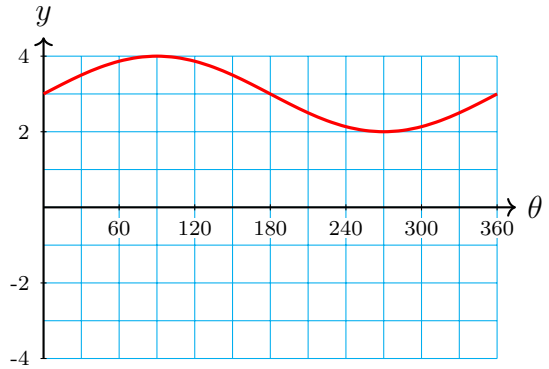
hp4-3-4 grid



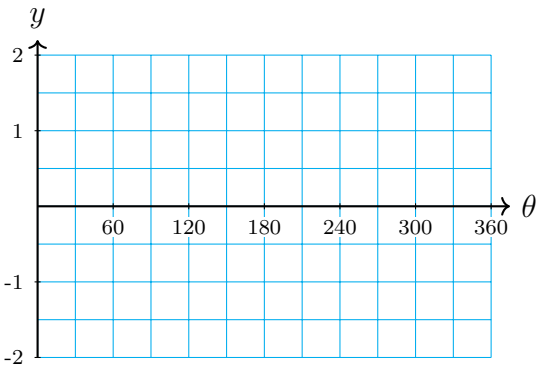
hp4-3-13 grid



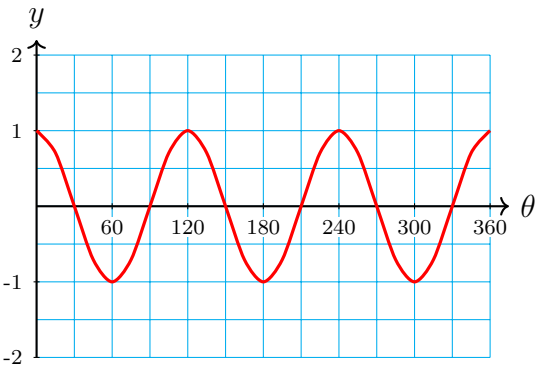
hp4-3-13ans 3 cos theta



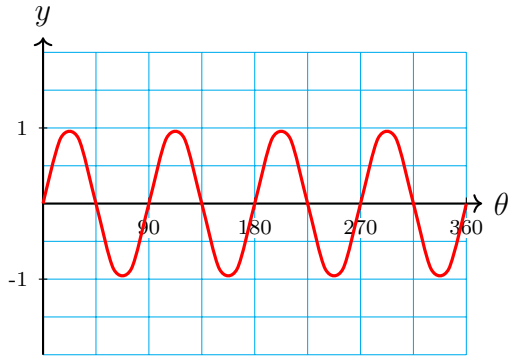
hp4-3-15ans $y = 3 + \sin\theta$



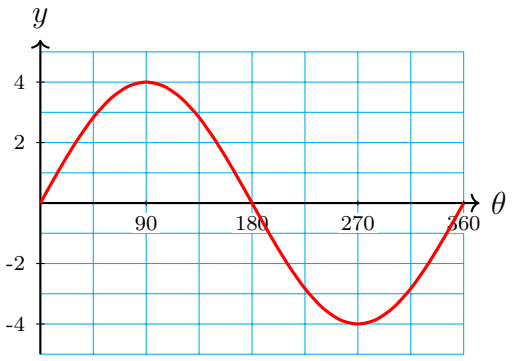
hp4-3-17 grid



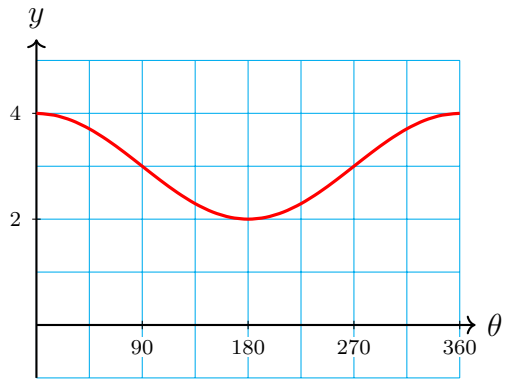
hp4-3-17ans $y = \cos 3\theta$



hp4-3-25 $y = \sin 4\theta$

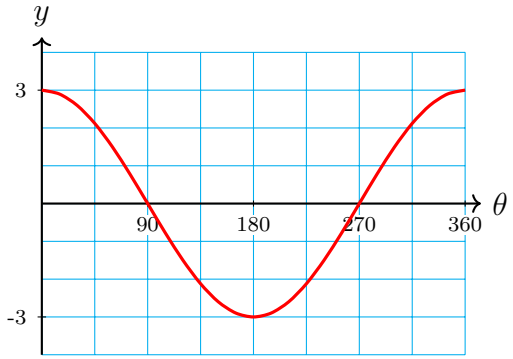


hp4-3-26 $y = 4\sin\theta$

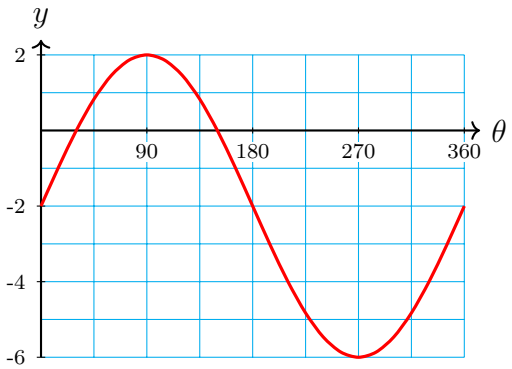


hp4-3-27 $y = 3 + \cos\theta$

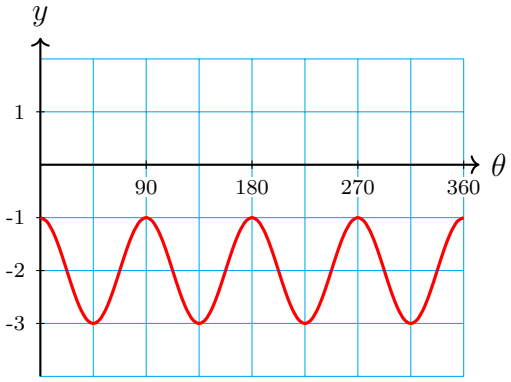
hp4-3-28 $y = 3\cos\theta$



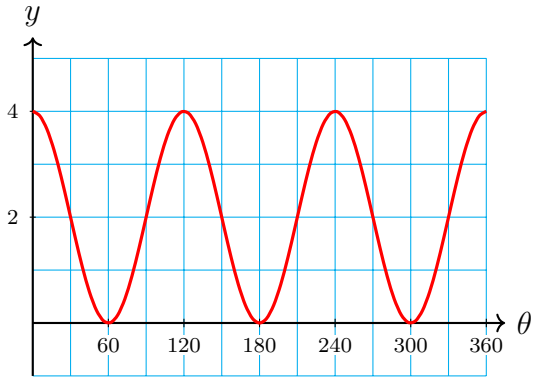
hp4-3-29 $y = -2 + 4 * \sin\theta$



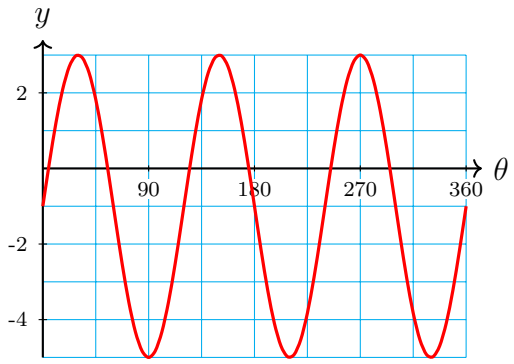
hp4-3-30 $y = -2 + \cos 4\theta$



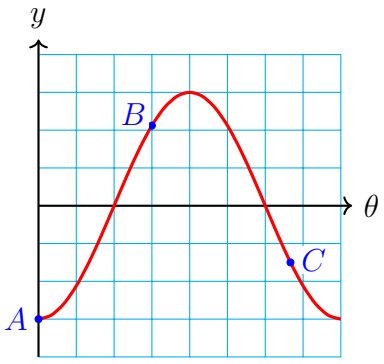
hp4-3-31 $y = 2 + 2\cos 3\theta$



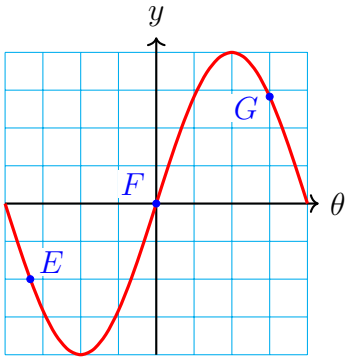
hp4-3-32 $y = -1 + 4\sin 3\theta$



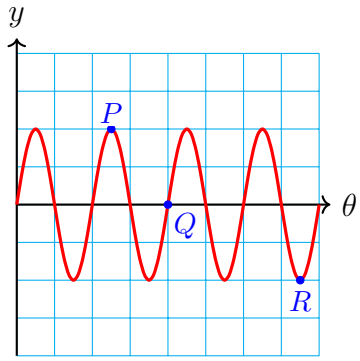
hp4-3-43 $y = -3\cos\theta$



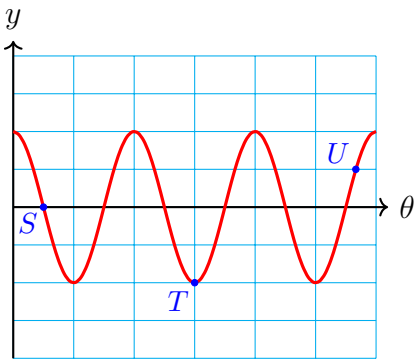
hp4-3-44 $y = 4\sin\theta$

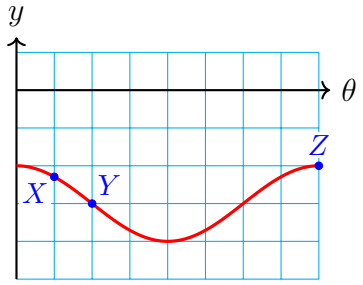


hp4-3-45 $y = \sin 4\theta$

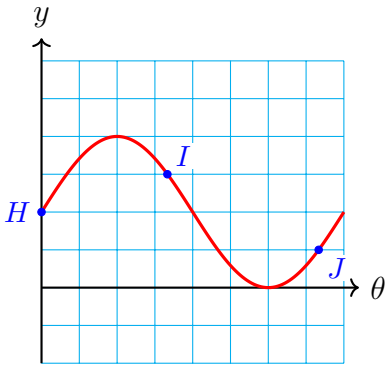


hp4-3-46 $y = \cos 3\theta$

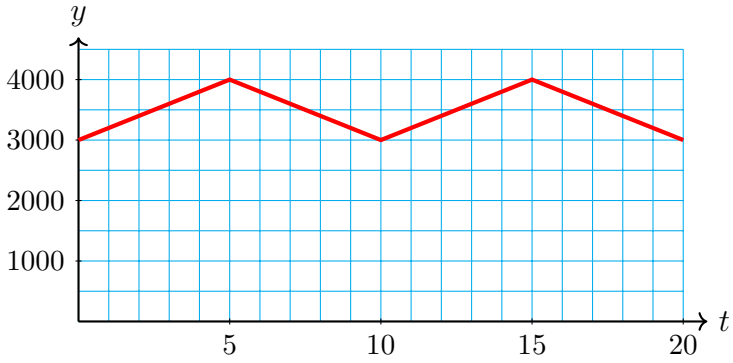




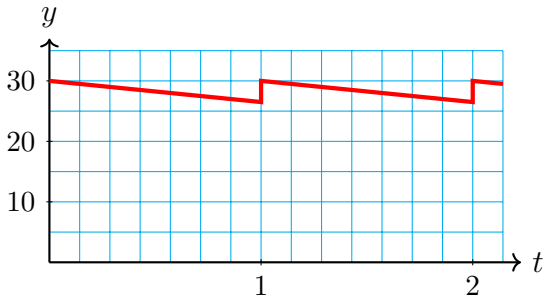
hp4-3-47 $y = -3 + \cos\theta$



hp4-3-48 $y = 1 + \sin\theta$

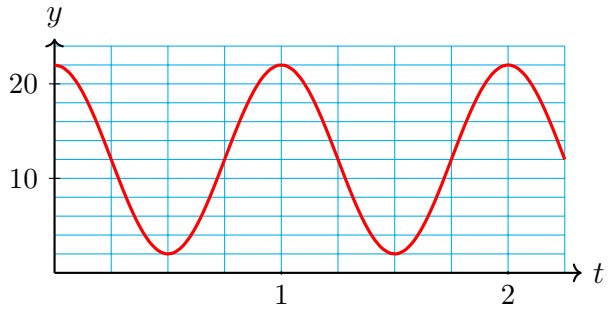


hp4-3-53ans piecewise linear periodic

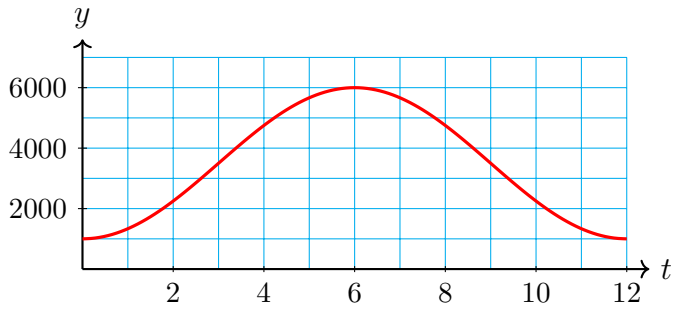


hp4-3-55ans piecewise linear periodic

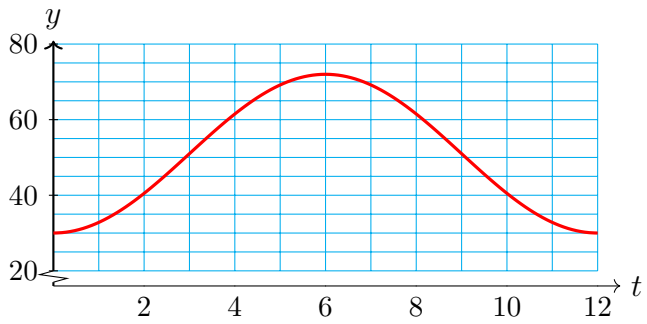
hp4-3-57ans sinusoidal $y = 12 + 10\cos 2\pi t$



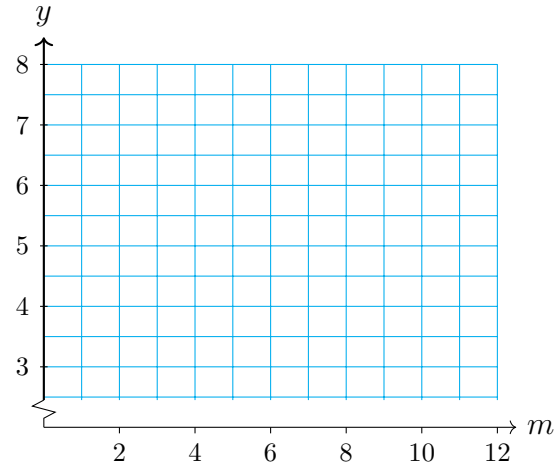
hp4-3-59ans sinusoidal $y = 3500 + 2500\sin 2\pi/12t$

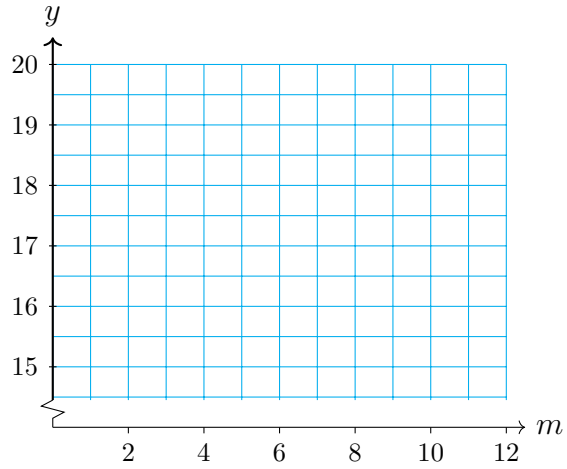


hp4-3-61ans sinusoidal $y = 51 + 21\sin 2\pi/12t$

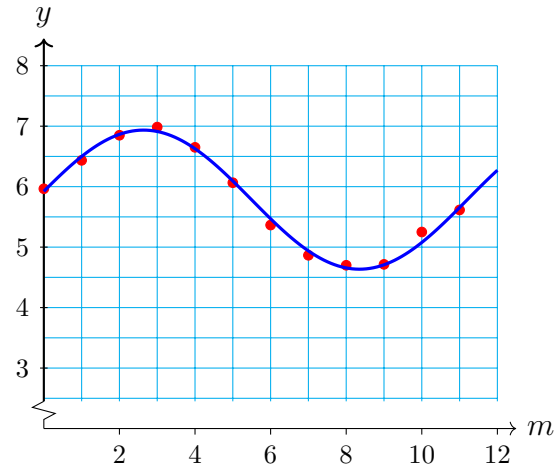


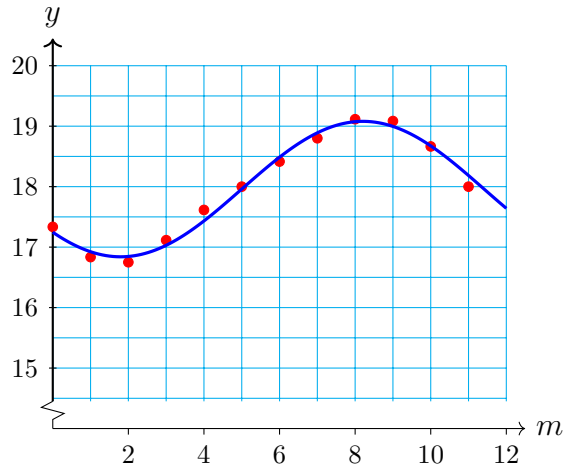
hp4-3-65 grid



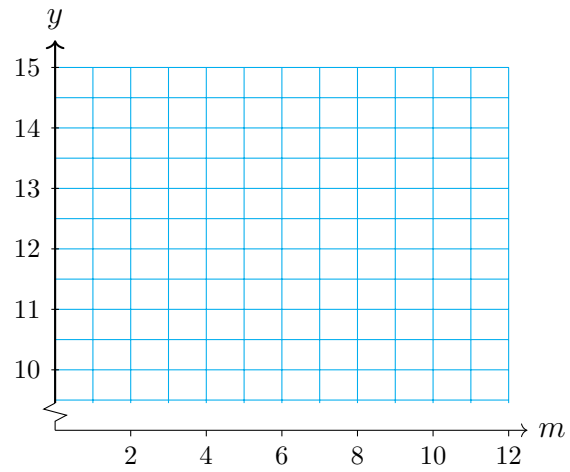


hp4-3-65ans





hp4-3-66 grid


y
15
14
13
12
11
10
m
2
4
6
8
10
12